## AMENDMENTS TO THE CLAIMS

Please Cancel Claims 23-26 without prejudice.

Please add Claims 27-46 as follows:

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|---|---|---|
| 1 | 1. | (Original) A method for converting code values between applications, the method |
| 2 | | comprising the steps of: |
| 3 | | generating first data that associates a first field with a plurality of code conversion |
| 4 | | rules; |
| 5 | | generating second data that, for each conversion rule of said plurality of code |
| 6 | | conversion rules, associates the conversion rule with criteria for applying the |
| 7 | | conversion rule, wherein said criteria is based on one or more other fields |
| 8 | | other than said first field; |
| 9 | | receiving a first code for the first field and zero or more codes for the one or more |
| 10 | | other fields; |
| 11 | | inspecting said first data and said second data to determine which particular code |
| 12 | | conversion rule of said plurality of code conversion rules should be applied |
| 13 | | based on: |
| 14 | | the zero or more codes, and |
| 15 | | the criteria associated with each conversion rule of said plurality of code |
| 16 | | conversion rules; and |
| 17 | | converting said first code based on the particular code conversion rule that should be |
| 18 | | applied to convert said first code. |

| | | |
|---|---|---|
| 1 | 2. | (Original) The method of Claim 1, further including the steps of: |
| 2 | | storing third data that associates a second field with said plurality of code conversion |
| 3 | | rules; |

4        receiving a second code for the second field and zero or more other codes for the one

5            or more other fields; and

6        converting said second code based on a particular code conversion rule of said

7            plurality of code conversion rules that should be applied to convert said

8            second code.

1   3.    (Original) The method of Claim 1, wherein the step of converting said first code

2       further includes converting said first code into a plurality of one or more other codes.

1   4.    (Original) The method of Claim 2, wherein:

2       the method further includes the step of establishing a plurality of code conversion

3            categories associated with multiple code conversion rules, wherein said

4            plurality of code conversion categories includes a particular code conversion

5            category that is associated with said plurality of code conversion rules;

6       said first data associates said first field with said plurality of code conversion rules by

7            associating said particular code conversion category with said first field; and

8       said third data associates said second field with said plurality of code conversion rules

9            by associating said particular code conversion category with said second field.

1   5.    (Original) The method of Claim 1, further including the step of receiving user input

2       that specifies, for a particular conversion rule of said plurality of code conversion

3       rules, the one or more other fields to associate with said criteria.

1   6.    (Original) The method of Claim 1, wherein the criteria associated with each

2       conversion rule of said plurality of code conversion rules specifies a value for a field

3       of said one or more other fields.

1  7.  (Original) The method of Claim 6, wherein the step of determining which particular
2      code conversion rule should be applied further includes determining, for a given
3      conversion rule of said plurality of code conversion rules, whether a particular value
4      specified by the criteria associated with the given conversion rule matches a
5      respective code from said zero or more codes.

1  8.  (Original) The method of Claim 6, wherein the step of determining which code
2      conversion rule should be applied further includes determining which conversion rule
3      of said plurality of code conversion rules specifies the greatest of number of values
4      matched by a respective code from said zero or more other codes.

1  9.  (Original) The method of Claim 1, wherein each code conversion rule specifies an
2      internal code and at least one external code.

1  10. (Original) A method for converting codes between applications, the method
2      comprising the steps of:
3      establishing a plurality of code conversion categories;
4      storing first data that associates each code conversion category of said plurality of
5          code conversion categories with:
6          one or more conversion rules, and
7          a plurality of fields defined by an application;
8      wherein said plurality of code conversion categories includes a particular code
9          conversion category that is associated with at least a first field and a second
10         field;
11     receiving a first code associated with said first field;

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12      inspecting said first data to determine that the first field has been associated with said

13           particular code conversion category from said plurality of code conversion

14           categories;

15      in response to determining that the first field has been associated with said particular

16           code conversion category, then:

17           determining which particular code conversion rule associated with said

18                particular code conversion category should be applied to the first code,

19                and

20           converting said first code into one or more external codes based on the

21                particular code conversion rule that should be applied to the first code;

22      receiving a second code associated with said second field;

23      inspecting said first data to determine that the second field has been associated with

24           the particular code conversion category; and

25      in response to determining that the second field has been associated with the

26           particular code conversion category, then:

27           determining which particular code conversion rule associated with said

28                particular code conversion category should be applied to the second

29                code, and

30           converting said second code into another code based on the particular code

31                conversion rule that should be applied to the second code.

1   11.   (Original) The method of Claim 9, wherein the step of converting said first code

2         further includes converting said first code into a plurality of one or more other codes.

1   12.   (Original) A computer-readable medium carrying one or more sequences of

2         instructions for converting code values between applications, wherein execution of

3         the one or more sequences of instructions by one or more processors causes the one or

4         more processors to perform the steps of:

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5        generating first data that associates a first field with a plurality of code conversion

6                rules;

7        generating second data that, for each conversion rule of said plurality of code

8                conversion rules, associates the conversion rule with criteria for applying the

9                conversion rule, wherein said criteria is based on one or more other fields

10               other than said first field;

11       receiving a first code for the first field and zero or more codes for the one or more

12               other fields;

13       inspecting said first data and said second data to determine which particular code

14               conversion rule of said plurality of code conversion rules should be applied

15               based on:

16               the zero or more codes, and

17               the criteria associated with each conversion rule of said plurality of code

18                       conversion rules; and

19       converting said first code based on the particular code conversion rule that should be

20               applied to convert said first code.

1    13.   (Original) The computer-readable medium of Claim 12, further including instructions

2            for performing the steps of:

3        storing third data that associates a second field with said plurality of code conversion

4                rules;

5        receiving a second code for the second field and zero or more other codes for the one

6                or more other fields; and

7        converting said second code based on a particular code conversion rule of said

8                plurality of code conversion rules that should be applied to convert said

9                second code.

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1    14.    (Original) The computer-readable medium of Claim 12, wherein the step of

2           converting said first code further includes converting said first code into a plurality of

3           one or more other codes.

1    15.    (Original) The computer-readable medium of Claim 13, wherein:

2           the computer-readable medium further includes instructions for performing the step

3                of establishing a plurality of code conversion categories associated with

4                multiple code conversion rules, wherein said plurality of code conversion

5                categories includes a particular code conversion category that is associated

6                with said plurality of code conversion rules;

7           said first data associates said first field with said plurality of code conversion rules by

8                associating said particular code conversion category with said first field; and

9           said third data associates said second field with said plurality of code conversion rules

10          by associating said particular code conversion category with said second field.

1    16.    (Original) The computer-readable medium of Claim 12, further including instructions

2           for performing the step of receiving user input that specifies, for a particular

3           conversion rule of said plurality of code conversion rules, the one or more other fields

4           to associate with said criteria.

1    17.    (Original) The computer-readable medium of Claim 12, wherein the criteria

2           associated with each conversion rule of said plurality of code conversion rules

3           specifies a value for a field of said one or more other fields.

1    18.    (Original) The computer-readable medium of Claim 17, wherein the step of

2           determining which particular code conversion rule should be applied further includes

3           determining, for a given conversion rule of said plurality of code conversion rules,

4   whether a particular value specified by the criteria associated with the given

5   conversion rule matches a respective code from said zero or more codes.

1 19. (Original) The computer-readable medium of Claim 17, wherein the step of

2   determining which code conversion rule should be applied further includes

3   determining which conversion rule of said plurality of code conversion rules specifies

4   the greatest of number of values matched by a respective code from said zero or more

5   other codes.

1 20. (Original) The computer-readable medium of Claim 12, wherein each code

2   conversion rule specifies an internal code and at least one external code.

1 21. (Original) A computer-readable medium carrying one or more sequences of

2   instructions for converting code values between applications, wherein execution of

3   the one or more sequences of instructions by one or more processors causes the one or

4   more processors to perform the steps of:

5   establishing a plurality of code conversion categories;

6   storing first data that associates each code conversion category of said plurality of

7     code conversion categories with:

8      one or more conversion rules, and

9      a plurality of fields defined by an application;

10   wherein said plurality of code conversion categories includes a particular code

11     conversion category that is associated with at least a first field and a second

12     field;

13   receiving a first code associated with said first field;

14   inspecting said first data to determine that the first field has been associated with said

15     particular code conversion category from said plurality of code conversion

16     categories;

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17          in response to determining that the first field has been associated with said particular

18                    code conversion category, then:

19                    determining which particular code conversion rule associated with said

20                              particular code conversion category should be applied to the first code,

21                              and

22                    converting said first code into one or more external codes based on the

23                              particular code conversion rule that should be applied to the first code;

24          receiving a second code associated with said second field;

25          inspecting said first data to determine that the second field has been associated with

26                    the particular code conversion category; and

27          in response to determining that the second field has been associated with the

28                    particular code conversion category, then:

29                    determining which particular code conversion rule associated with said

30                              particular code conversion category should be applied to the second

31                              code, and

32                    converting said second code into another code based on the particular code

33                              conversion rule that should be applied to the second code.


1     22.     (Original) The computer-readable medium of Claim 20, wherein the step of

2              converting said first code further includes converting said first code into a plurality of

3              one or more other codes.


1     23 - 26. (Canceled)


1     27.     (New) A method for converting code values between applications, the method

2              comprising:


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3        associating a first field with a plurality of code conversion rules;

4        wherein each code conversion rule is associated with criteria for applying the

5               conversion rule, wherein the criteria is based on one or more other fields other

6               than the first field;

7        receiving a first code for the first field and zero or more codes for the one or more

8               other fields; and

9        converting the first code using a particular code conversion rule that is selected based

10              on the particular code conversion's criteria.


1    28.   (New) The method of Claim 27, further comprising:

2        determining which particular code conversion rule of said plurality of code

3               conversion rules is selected based on:

4               the zero or more codes, and

5               the criteria associated with each conversion rule of said plurality of code

6                    conversion rules.


1    29.   (New) The method of Claim 27, further comprising:

2        associating a second field with said plurality of code conversion rules;

3        receiving a second code for the second field and zero or more other codes for the one

4               or more other fields; and

5        converting said second code based on a particular code conversion rule of said

6               plurality of code conversion rules that should be applied to convert said

7               second code.


1    30.   (New) The method of Claim 27, wherein the step of converting said first code further

2        includes converting said first code into a plurality of one or more other codes.

1    31.    (New) The method of Claim 29, wherein:

2           the method further includes the step of establishing a plurality of code conversion

3                  categories associated with multiple code conversion rules, wherein said

4                  plurality of code conversion categories includes a particular code conversion

5                  category that is associated with said plurality of code conversion rules;

6           associating said first field with said plurality of code conversion rules by associating

7                  said particular code conversion category with said first field; and

8           associating said second field with said plurality of code conversion rules by

9                  associating said particular code conversion category with said second field.

1    32.    (New) The method of Claim 27, further comprising:

2           receiving user input that specifies, for a particular conversion rule of said plurality of

3                  code conversion rules, the one or more other fields to associate with said

4                  criteria.

1    33.    (New) The method of Claim 28, wherein the criteria associated with each conversion

2           rule of said plurality of code conversion rules specifies a value for a field of said one

3           or more other fields.

1    34.    (New) The method of Claim 33, wherein the step of determining which particular

2           code conversion rule should be applied further includes determining, for a given

3           conversion rule of said plurality of code conversion rules, whether a particular value

4           specified by the criteria associated with the given conversion rule matches a

5           respective code from said zero or more codes.

1    35.    (New) The method of Claim 33, wherein the step of determining which code

2           conversion rule should be applied further includes determining which conversion rule

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3          of said plurality of code conversion rules specifies the greatest of number of values

4          matched by a respective code from said zero or more other codes.

1    36.   (New) The method of Claim 27, wherein each code conversion rule specifies an

2          internal code and at least one external code.

1    37.   (New) A computer-readable medium carrying one or more sequences of instructions

2          for converting code values between applications, wherein execution of the one or

3          more sequences of instructions by one or more processors causes the one or more

4          processors to perform the steps of:

5          associating a first field with one or more code conversion rules;

6          wherein each code conversion rule is associated with criteria for applying the

7                   conversion rule, wherein the criteria is based on one or more other fields other

8                   than the first field;

9          receiving a first code for the first field and zero or more codes for the one or more

10                  other fields; and

11         converting the first code using a particular code conversion rule that is selected based

12                  on the particular code conversion's criteria.

1    38.   (New) The computer-readable medium of Claim 37, further including instructions for

2          performing the step of:

3          determining which particular code conversion rule of said plurality of code

4                  conversion rules is selected based on:

5                  the zero or more codes, and

6                  the criteria associated with each conversion rule of said plurality of code

7                          conversion rules.

1    39.   (New) The computer-readable medium of Claim 37, further including instructions for

2          performing the steps of:

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3    associating a second field with said plurality of code conversion rules;

4    receiving a second code for the second field and zero or more other codes for the one

5         or more other fields; and

6    converting said second code based on a particular code conversion rule of said

7         plurality of code conversion rules that should be applied to convert said

8         second code.

1  40.  (New) The computer-readable medium of Claim 37, wherein the step of converting

2    said first code further includes converting said first code into a plurality of one or

3    more other codes.

1  41.  (New) The computer-readable medium of Claim 39, wherein:

2    the computer-readable medium further includes instructions for performing the step

3         of establishing a plurality of code conversion categories associated with

4         multiple code conversion rules, wherein said plurality of code conversion

5         categories includes a particular code conversion category that is associated

6         with said plurality of code conversion rules;

7    associating said first field with said plurality of code conversion rules by associating

8         said particular code conversion category with said first field; and

9    associating said second field with said plurality of code conversion rules by

10        associating said particular code conversion category with said second field.

1  42.  (New) The computer-readable medium of Claim 37, further including instructions for

2    performing the step of receiving user input that specifies, for a particular conversion

3    rule of said plurality of code conversion rules, the one or more other fields to

4    associate with said criteria.

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1   43.    (New) The computer-readable medium of Claim 38, wherein the criteria associated

2          with each conversion rule of said plurality of code conversion rules specifies a value

3          for a field of said one or more other fields.


1   44.    (New) The computer-readable medium of Claim 43, wherein the step of determining

2          which particular code conversion rule should be applied further includes determining,

3          for a given conversion rule of said plurality of code conversion rules, whether a

4          particular value specified by the criteria associated with the given conversion rule

5          matches a respective code from said zero or more codes.


1   45.    (New) The computer-readable medium of Claim 43, wherein the step of determining

2          which code conversion rule should be applied further includes determining which

3          conversion rule of said plurality of code conversion rules specifies the greatest of

4          number of values matched by a respective code from said zero or more other codes.


1   46.    (New) The computer-readable medium of Claim 38, wherein each code conversion

2          rule specifies an internal code and at least one external code.


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